Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/03/2017 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123441	-2	2.40	123293	2.37
Blue	F	SSC	125000	123777	-1	3.50	124085	3.35
Blue	E	FITC	21625	20849	-4	2.72	926	10.01
Blue	D	PE	26832	26404	-2	2.38	945	9.40
Blue	B	PerCP-Cy5-5	48027	46994	-3	3.72	1354	16.62
Blue	A	PE-Cy7	40971	40631	-1	5.36	627	34.94
Red	C	APC	49746	48901	-2	2.83	2809	9.45
Red	A	APC-Cy7	53615	52652	-2	2.81	1094	11.42
Violet	B	V450	14488	13701	-6	5.07	656	9.42
Violet	A	V500	55123	53185	-4	4.92	2359	7.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17292	10.76	601	3	N/A	N/A	Pass
Blue	F	SSC	61476	1.93	531	-3	N/A	N/A	Pass
Blue	E	FITC	103	38.02	533	-3	0.0223	152	Pass
Blue	D	PE	207	27.56	530	-1	0.1796	235	Pass
Blue	B	PerCP-Cy5-5	213	43.55	626	-3	0.0105	82	Pass
Blue	A	PE-Cy7	69	114.05	678	-3	0.0123	11	Pass
Red	C	APC	326	27.77	590	-4	0.0206	76	Pass
Red	A	APC-Cy7	118	40.30	574	-6	0.0052	1300	Pass
Violet	B	V450	79	41.18	463	-8	0.0472	1761	Pass
Violet	A	V500	171	22.28	489	-7	0.0150	314	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.83	-30.57	0.89
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	15.27	13.27 - 19.91	N/A	N/A	30.90	31.20	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12761

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments